APPLIED MATHEMATICS AND COMPUTATION

VOLUME 86

JOHN P. BOYD
Construction of Lighthill's Unitary Functions: The Imbricate
Series of Unity
J. I. RAMOS AND C. M. GARCÍA-LÓPEZ
Nonstandard Finite Difference Equations for ODEs and
1-D PDEs Based on Piecewise Linearization
ZHONG-ZHI BAI
Parallel Hybrid Iteration Methods for Block Bordered Linear
Systems
Cha'o-Kuang Chen and Tzu-Li Tien
A New Forecasting Method of Discrete Dynamic System 61
M. A. M. Alwash
Limit Cycles in a Disease Transmission Model
SIMON MOSKOWITZ, EMMANUEL FERNÁNDEZ-GAUCHERAND, AND
MICHAEL WHALEN
Passage-Detector-Based Traffic Queue Estimation in Intelligent
Transportation Systems: A Computational Study of Competing
Algorithms
Mo Jiaqi
The Nonlocal Boundary Value Problems of Nonlinear Elliptic
Systems in Unbounded Domains
S. Blount, A. Galambosi, and S. Yakowitz
Nonlinear and Dynamic Programming for Epidemic Intervention 123
R. Lin, G. Leng, and H. P. Lee
A Method for the Numerical Computation of Hopf Bifurcation 137
LINZHANG LU AND C. E. M. PEARCE
On the Matrix-Sign-Function Method for Solving Algebraic
Riccati Equations

YONG-LIN CHEN
Iterative Methods for Solving Restricted Linear Equations 171
SERGEY P. SHARY
Controllable Solution Set to Interval Static Systems
FA-LONG LUO, ROLF UNBEHAUEN, AND YAN-DA LI
Real-Time Computation of Singular Vectors
BÜNYAMIN YILDIZ AND AHMET KACAR
Two Methods for Solution of a Linear Boundary Value Problem
of Order 2 <i>n</i>
ZONG-BEN XU, JIANG-SHE ZHANG, AND YIU-WING LEUNG
A General CDC Formulation for Specializing the Cell Exclusion
Algorithms of Finding All Zeros of Vector Functions
Juan Peña Miralles, Pedro José Jiménez Olivo,
Damián Ginestar Peiró, Gumersindo Verdú Martín, and
José Luis Muñoz-Cobo González
A Fast Galerkin Method to Obtain the Periodic Solutions of a
Nonlinear Oscillator
Jun Zhang
Residual Scaling Techniques in Multigrid, I: Equivalence Proof 280
Volume Contents

